

SMOKE ALARM

DUAL PHOTO & ION

CAT. **3120BA**

AC Powered with battery back-up



Photo & Ion Smoke Sensors

Dual photoelectric and ionization smoke sensing technologies for optimal sensing of smoke particles produced in both fast flaming and smoldering fires.

Optipath 360 Technology™

Patented technology provides 360° of direct access to the smoke sensor.

Two Latching Features

Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided.

Low Battery Latch: Identifies which unit is in low battery condition.

Two Silence Features

Silence low battery chirp for up to eight hours or silence nuisance alarm.

AA Alkaline Battery Back Up

Keeps alarm functioning during a power interruption.



IONIZATION



PHOTOELECTRIC



Intertek

NOTE: Photoelectric technology is generally more sensitive at detecting large particles, which tend to be produced in greater amounts by smoldering fires.
NOTE: Ionization technology is generally more sensitive at detecting small fast moving particles, which tend to be produced by "fast flaming" fires.

BRK®

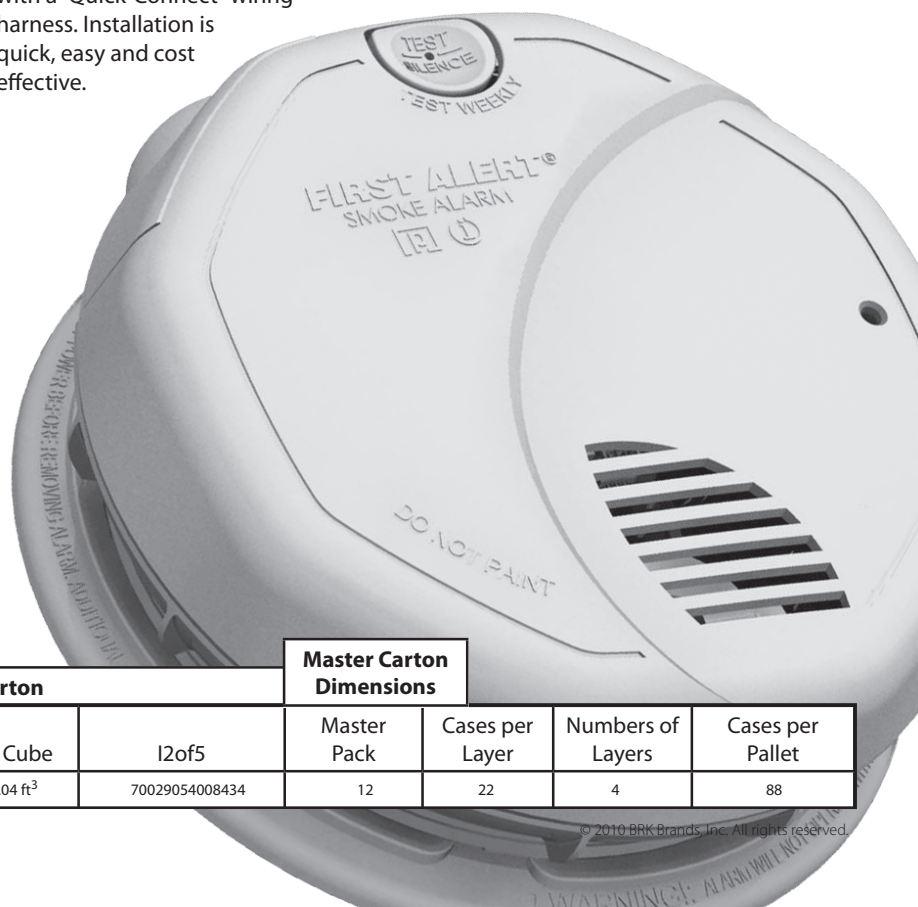
THE PROFESSIONAL STANDARD

120V AC, 60 Hz

With AA Alkaline Battery Back-up

The BRK Model Number 3120BA is a wire-in, 120V AC 60Hz single and/or multiple station photoelectric and ionization smoke alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings. Model 3120BA complies with CAN/ULC S553 and the National Building and Fire Codes of Canada. It meets building codes where AC and AC/DC with silence smoke alarms are required. The alarms are interconnectable with up to 18 devices, of which 12 can be smoke alarms.

The BRK 3120BA alarm features a dual ionization sensing chamber, an Optipath 360° Photoelectric sensing chamber, an 85dB horn, a battery back-up and two "silence" features. The "Perfect Mount" system features a gasketless base and a mounting bracket that keeps the alarm secure over a wide rotation range to allow for true alignment. This will allow fine-tuning on the positioning to compensate for out of aligned wall studs and to keep the wording level when wall mounting. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment. Other Contractor preferred features include a dust cover to keep alarm clean during construction, keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a "Quick-Connect" wiring harness. Installation is quick, easy and cost effective.



Individual Carton

Master Carton Dimensions

UPC	H"	W"	D"	Weight	Cube	I2of5	Master Pack	Cases per Layer	Numbers of Layers	Cases per Pallet
0 29054008435	5.13"H	2.38"W	5.13"	.45 lbs	.04 ft ³	70029054008434	12	22	4	88

CAT. 3120BA

AC Powered with battery back-up

ARCHITECTURAL AND ENGINEERING SPEC

The smoke alarm shall be a BRK Model 3120BA (battery back-up) and shall provide at a minimum the following features and functions:

1. A photoelectric smoke sensing chamber & dual Ionization sensing chamber.
2. The unit shall be capable of self restoring.
3. Fully screened sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms.
4. Powered by 120V AC, 60Hz and have a AA battery backup model and a solid state piezo horn rated at 85dB at 10 ft.
5. A visual green LED power-on indicator to confirm unit is receiving power.
6. A full function test button should check all alarm functions by simulating a smoke condition, causing the unit to alarm.
7. Silence features - Temporarily silence unwanted nuisance alarms- Temporarily silence low battery chirp "1 time" for up to eight hours.
8. Two latching features, an alarm latch and a low battery latch.
9. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
10. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
11. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
12. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
13. The unit shall at a minimum meet the requirements of CAN/ULC S553 and the National Building and Fire Codes of Canada

INSTALLATION OF OF ALARM

Installation of this smoke alarm must conform to all local electrical codes and CAN/ULC S553 and the National Building and Fire Codes of Canada. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker. If local codes do not permit, be sure the neutral wire is common to both phases.



TECHNICAL SPECS :

Alarm Dimensions:	5.0" dia x 2.1"H
Weight:	6.7 oz
Operating Voltage:	120V AC 60Hz w/ AA battery backup
Operating Current:	.045 amps (standby/alarm)
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	10% to 90% relative humidity (RH)
Audio Alarm:	85dB at 10 feet
Test:	Electronically simulates smoke condition, causing the unit to alarm
Silence:	Alarm Silence & Low battery chirp
Alarm Reset:	Automatic when smoke clears
Interconnections:	Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms.
Smoke Sensor:	Dual Ionization and Photoelectric
Indicator Lights/Sounds:	
AC Power:	Constant Green LED
DC Power:	Intermittent Red LED (7010BA only)
Local Alarm:	Red LED flashes rapidly
Remote Alarm:	Red LED out.

SHIPPING SPECS :

Individual Carton Dimensions:	5.13"L x 2.38"W x 5.13"H
Weight:	.45 lbs.
Cube:	.04 ft ³
UPC:	0 29054008435
Master Carton Dimensions:	10.75"L x 7.88"W x 11.06"H
Master Pack:	12
Weight:	5.9 lbs.
Cube:	.54 ft ³
12of5:	70029054008434
Pallet Information:	
Cases per layer:	22
Number of Layers:	4
Cases per Pallet:	88
Cube:	54.0 ft ³
Weight:	572 lbs.

BRK®

THE PROFESSIONAL STANDARD

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88B East Beaver Creek Unit 6
Richmond Hill, Ontario L4B 4W2
Customer Service: 1-800-387-4219
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brkelectronics.com
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